

Highlights of:
**“Propagation Effects for Vehicular and
Personal Mobile Satellite Systems:
Overview of Experimental and Modeling
Results”**

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Overview of Handbook

1. Revision of NASA Reference Publication 1274 Previously Entitled:
 - (a) Propagation Effects for Land Mobile Satellite Systems: Overview of Experimental and Modeling Results
 - (b) February 1992
2. New Title:
Propagation Effects for Vehicular and Personal Mobile Satellite Systems:
Overview of Experimental and Modeling Results
3. Comprised of 12 Chapters
 - (a) Four are new
 - (b) Other chapters updated and enhanced

Overview of Handbook (Continued)

4. Nine chapters have been completed and are on the Web

(a) Address is:

<http://www.utexas.edu/research/mopro/>

(b) Chapters may be downloaded as Adobe files

5. Two chapters have been written and are being edited.

6. Final chapter is being written.

7. Hard copies to be available
December 31, 1998

(a) Disseminated to Workshop and other interested investigators

Overview of Handbook (Continued)

8. Handbook will subsequently undergo review process
 - (a) Ernie Smith, Warren Flock, Ken Davies, other volunteers
9. Revised edition will subsequently be published
 - (a) Reviewers' comments addressed
 - (b) Other readers' comments addressed

Handbook Chapter Titles and Status

- Chapter 1:** Introduction
(Being edited)
- Chapter 2:** Attenuation Due to Trees: Static Case
(On the Web)
- Chapter 3:** Attenuation Due to Roadside Trees:
Mobile Case
(On the Web)
- Chapter 4:** Signal Degradation for Line of Sight
Communications
(On the Web)
- Chapter 5:** Fade and Non-Fade Durations and
Phase Spreads
(On the Web)
- Chapter 6:** Polarization, Antenna Gain and
Diversity Considerations
(On the Web)

Status of Handbook [Continued]

Chapter 7: Investigations from Different Countries
(On the Web)

Chapter 8: Earth-Satellite Propagation Effects
Inside Buildings
(New: On the Web)

Chapter 9: Maritime-Mobile Satellite Propagation
Effects
(New: On the Web)

Chapter 10: Optical Methods for Assessing Fade
Margins
(New: On the Web)

Chapter 11: Theoretical Modeling Considerations
(Being written)

Chapter 12: Summary and Recommendations
(Being edited)

Mobile Satellite Handbook Statistics

Chap. #	Number Pages	Number kb	# Pages Prev. Txt
1	6	74	4
2	22	215	10
3	41	402	19
4	21	141	6
5	w	201	11
6	22	172	10
7	42	368	13
8	40	1,357	"
9	40	221	
10	25	399	
11	45 (est.)	804 (est.)	41 (Ch. 8)
12	28	1,917	
Total	351	6,270	114